Mini

SERIES

User's manual of Oxygen concentrator

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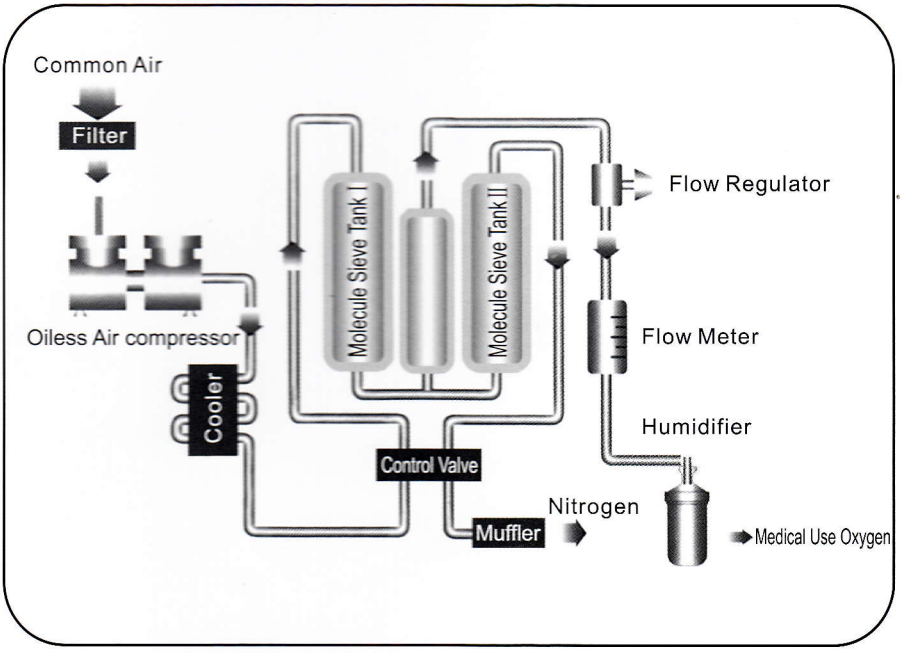
Common Air
Filter
Oiless Air compressor
Cooler
Molecule Sieve Tank I
Molecule Sieve Tank II
Flow Regulator
Flow Meter
Humidifier
Control Valve
Muffler
Nitrogen
Medical Use Oxygen

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Foreword

Thank you for purchasing our products, hoping you will be satisfied with our products.

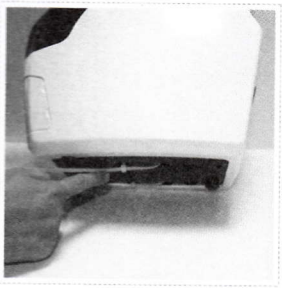
This operation manual contains function, operation steps, attention, basic trouble solution and so on.

To ensure your efficient use of the machine, please have a close read of this operation manual before operating it.

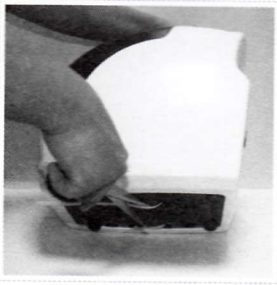
Maybe, there are some pictures, which are different from what you have seen in the real model in this manual.

YOU MUST DO BEFORE START THE MACHINE!

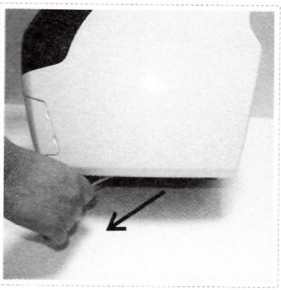
1. LEAN 45°



2. WHITE TIE



3. CUT



4. PULL OUT

SAFETY NOTICE ⚠ Warning

• This product cannot be used for life maintaining, it is suggested that if any patient who needs oxygen treatment, please follow doctor' s advice to choose the right flow and period for oxygen before using the machine.

• If any adverse reaction appeared or revealed during taking oxygen , please contact with equipment supplier or doctor as soon as possible.

• For serious patients, set an indicating device additional, any adverse reaction appeared, please contact with equipment supplier or doctor as soon as possible.

• Do not put nasal tube under bed cover or cushion, the oxygen that caused by machine turning on without breathing may be combustion-supporting.

• Turn off the switch if no body takes oxygen.

• For oxygen can be combustion-supporting, keep oxygen concentrator far away from naked light or fire resource, no smoking or naked light around the patient.

• Before cleaning the dust on the net of oxygen concentrator, the plug must be pulled out in case electric attack. In using the machine, do not open the front and back cover at all. In case there are quality problem, do not dismantle it secretly. Any alarm or other abnormal phenomenon has been found, connect with equipment supplier or factor.

ATTENTION ⚠ Notice

• The oxygen should concentrator be set to use in an environment without dust, corruption and toxicological harm gas.

• Air intake of the oxygen concentrator should be located in well-ventilated space, in case there are polluted air or smog in the oxygen.Ensure the bottom exhaustion smooth during operating, or else the machine will be over-heated.

• There is intermitted exhaustion sound during operating (10 seconds in intermission).

• 5 minutes are needed from oxygen concentrator from warming up to reach regular function.

• The machine is only for medical oxygen supply, and the oxygen concentration will be up to 90% when air outlet reaches its nominal flow.

• Humidifier shall adopt distilled water or cold boiled water, added shall be kept under the scale line.

• Use the humidifier brought with the machine, do not replace it at will, or else may cause patient uncomfortable or other harms.

• In case state indicator shows abnormal oxygen operator should declare to dealer or factory in favor of maintain.

• The humidifier, filter cotton and filter are the items needed to clean, among which humidifier should be cleared every 3 days, and external filter cotton should be cleared every 100 hours, and internal filter should be cleared every 3000 hours.

• Once open the adjust knob for flow in full, but flow meter shows zero, turn off the machine immediately and have a check for trouble. Do not turn on and off frequently: To restart the machine after turning off should have an interval no less than 5 minutes (namely, exhaust internal gas of the machine completely, for if air compressor turns on with pressure will shorten its life)

• Do not turn on the power with switch for flow adjusting shut up.

• Refresh the water in the dampen bottle every 2-3 days, especially in summers. If do not use it in several days, please pour out the water completely, and wipe dry the bottle. Use the oxygen tube and humidifier brought with the machine or those of the same model, if change to use other model devices, please ensure close connection with the oxygen generator. The absorbing oxygen tube is only for the patient, and do not junk it at will.

• The oxygen tube, oxygen mask and atomizer that have touched with the patient should keep clean, disinfected and sterilized.

• The oxygen tube that have touched with the patient after each operation should be disinfected by wiping it with 75% medical use alcohol or other disinfecting methods. To prevent cross infection, do not share oxygen tube.

Note: The Car working machine must use the 240W or over type car lighter power supply (fuse max current over 20A)

PRODUCT INTRODUCTION

Mini Series products adopt pressure swing adsorption principle, which can separate oxygen, nitrogen and other gas from the air, at constant temperature, as soon as power is connected, the oxygen that meets medical use standards can be separated from air constantly. Oxygen is generated by pure physical method. The generator can supply 1-2 patients simultaneously, with steady oxygen flowing out, safe and reliable, low cost, adjustable flow. The key parts of the generator adopt anti-tiring and anti-aging design, and the planned life of the whole generator reaches up to 20,000 hours.

There is no influence on indoor oxygen percent during the generator operating.

SCOPE OF APPLICATION

This device is mainly used for generating Health care use oxygen.

USING CONDITION

Ambient temperature: 10℃-40℃
Relative humidity: 30%-85%
Air pressure: 700 hPa-1060 hPa
No corrosive gas and strong magnetic field around.

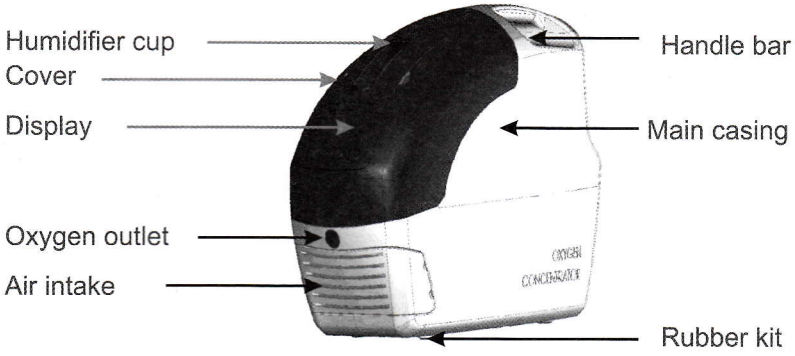
TECHNICAL PARAMETER

M—□
- □ Function code:1、2、3……
- M Health care use oxygen concentrator

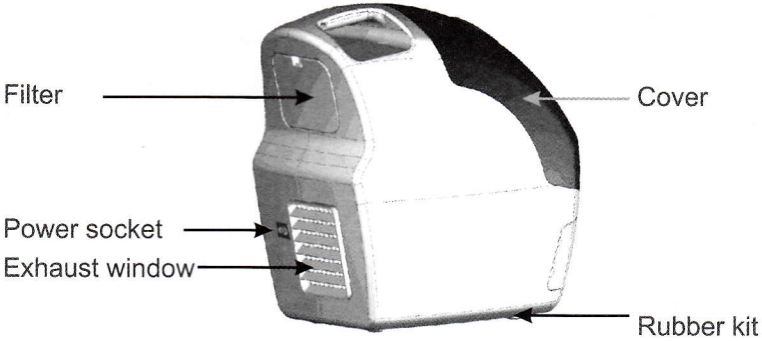
SPECIFICATION

Model	Mini Series
Rated power (W)	90W
Operation voltage (V/Hz)	110V/60HZ
Outlet pressure(Mpa)	0.41
Oxygen percent (%)	30-90%
Oxygen flow (L/min)	1-5L/min
Sound level(dB)	≤45
Net Weight(Kg)	6
Dimension (mm)	324 × 199 × 320

FUNCTION


Humidifier cup
Cover
Display
Oxygen outlet
Air intake
Handle bar
Main casing
Rubber kit

Front


Filter
Power socket
Exhaust window
Cover
Rubber kit

Back

OPERATION INSTRUCTION

1.Take down the Humidifier cup from the machine, take the top small white rubber cap out of the cup, fill the Purify or boiled water into the cup till the lane marked on the cup, put back the rubber cap (picture 1). Open another rubber cap under the water cup, fill one drop of the essential oil in.

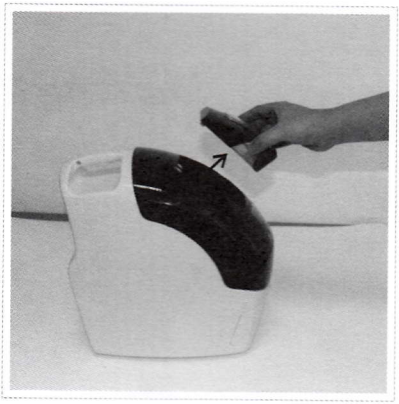
2.Connect the harness to both Oxygen concentrator & home power supply plug, Press the ⏻ to start the machine.

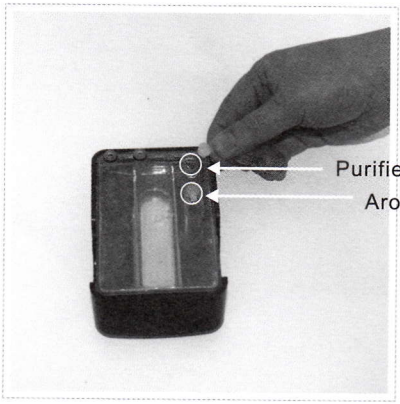
3.Press M to select your favorite supplying flow.Start flow will be same as your previous using. Press the M button to select the flow of 1L, 2L,3L, 4L, 5L, 5 mode avaialbe, and after 5 L, press M button again will go to 1L automatically. When user select the flow, the screen will also show the purity accordingly.

4.Plug the Nasal tube into the outlet port on the oxygen concentrator, start at least 30-60 minutes oxygen therapy.

5.Once the oxygen therapy finished, press ⏻ to shut down the machine, please also un-plug the power supply at the same time.

6.Timing setting, press ⏰ button first, then ⏰ & timing period will show in flashing on the screen, use ▲ button to select the timing period you want (10 minute forward by press one time, 5 hours max), press ⏰ button again to confirm the timing setting. During the timing mode, press ⏰ button again to cancel the timing mode.





PIC 1

PIC 2

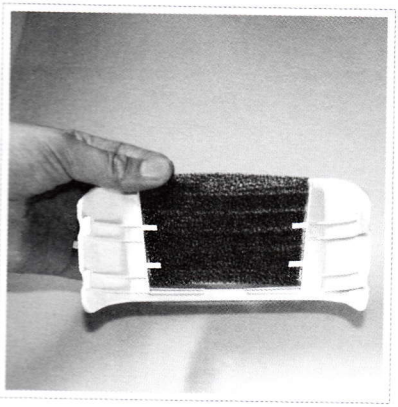
MAINTENANCE DESCRIPTION

1.In the condition of power off, make a clean for the outside body by soft towel with little detergent, and then wipe it up with dry towel, once or twice per month.

2.It is a critical step for daily maintenance to clean filter net for gas intake, at least twice a month.

Detail steps: take off the two filter nets on both sides of the body, clean them with detergent and wash it clearly with clean water completely, get ride of extra water and dry up naturally, finally set back after dry up.

Air intake window



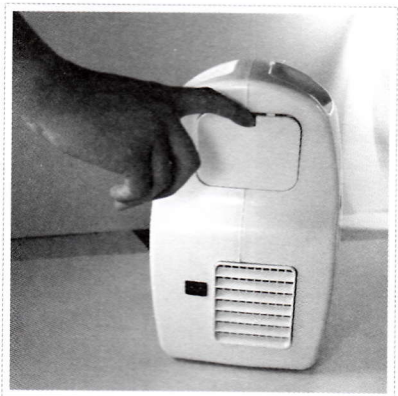
Intake sponge

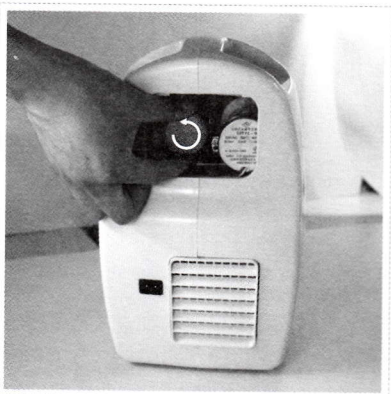
3.Clean air intake filter

Clean air intake filter an interval about 3000 hours, open the filter window on the back casking, then unplug and replace the filter bottle inside. Please clean the filter window by liquid detergent, then rinse the filter window by clean water, please wait the filter window dry in air.

4.Fuse replacement

The fuse is located nn the internal control PCB, please contact the professional service people to change this fuse.





Press and Open the filter kit, unscrew the filter box to replace the second stage air filter

TROUBLES AND SOLUTION

Number	Trouble	Causes	Solution
1	No operation after power connected	1.No connection between circuit of oxygen generator and power 2.Circuit of fuse protector broken 3.Capacitor of compressor broken 4.Compressor broken	1.Check out whether switch, plug, power line in good connection. 2.Replace the fuse protector and find the cause 3.Replace start capacitor 4.Have the compressor replaced
2	No oxygen out or tiny outtake flow	1.Folded inside oxygen tube, no smooth outtake 2.Filter clogged, no smooth intake 3.The cover of dampen bottle leaking	1.Connect the oxygen tube again 2.Clean the filter 3.Take off the cover, screw well the cover, block the outtake by thumb after turning on, and there will some sound from the dampen bottle after 5 second around (the safety valve of dampen bottle turns on)
3	No exhaust sound	1.Air controller cannot work 2.Electrical control board cannot work	Have air control valve replaced Have electric control board replaced
4	Too noisy xhaustion	1.The joint of exhaustion muffler fallen off 2.Exhaustion muffler broken	Connect the joint well Have the muffler replaced

CONDITION FOR TRANSPORTATION AND STORAGE

Environment temperature scale: -20-45℃

Comparative humidity scale: ≤95%

Air pressure scale: 500—1060 hpa

QUALITY WARRANT

Scale for the whole machine repair: one year guarantee.

Note: Please do place the machine at a good ventilation area, please make sure that the radiation port underneath the machine will not be covered.